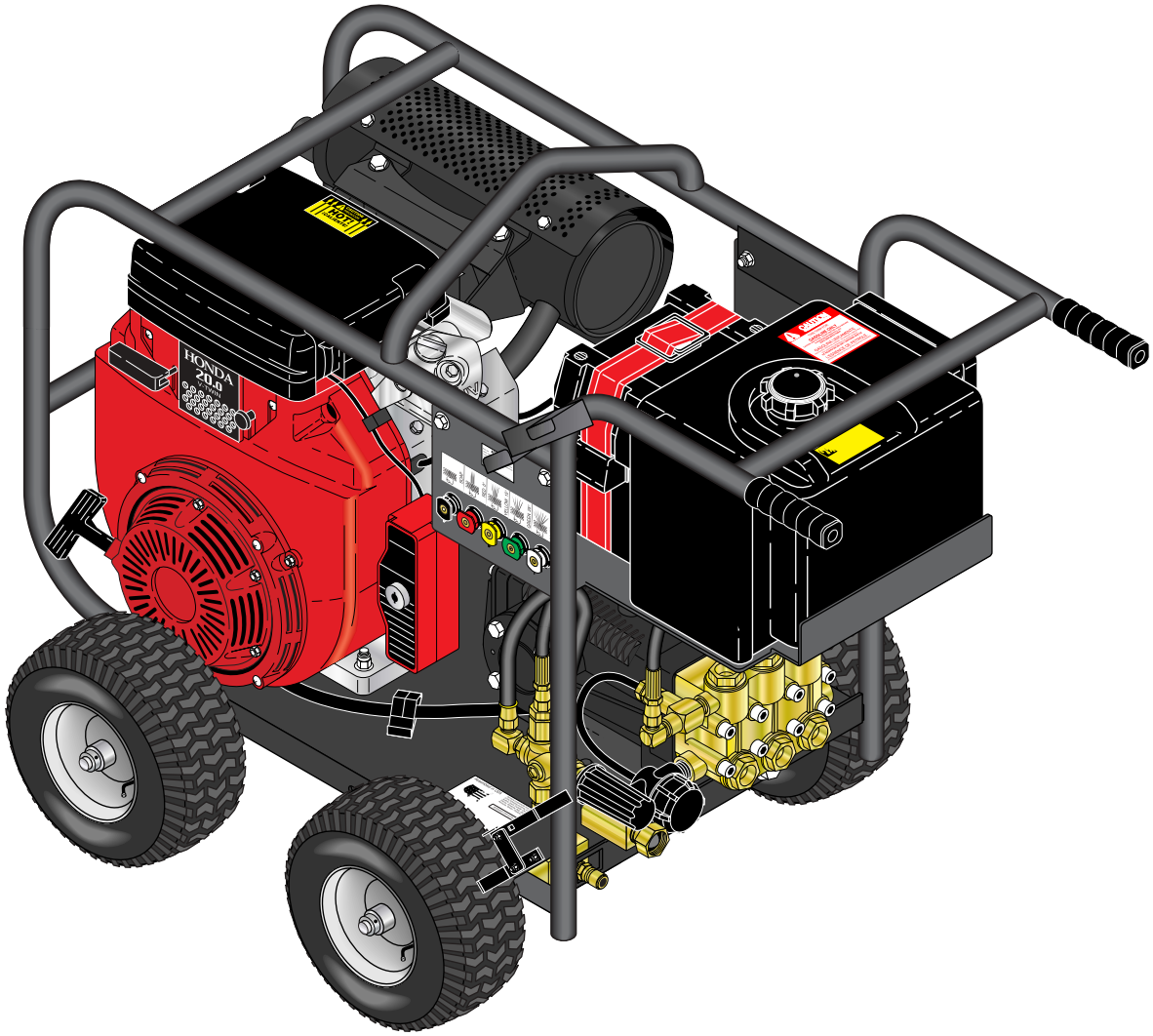
# MODEL: BR

OPERATING INSTRUCTION
AND PARTS MANUAL

- BR-442537
- BR-353237
- BR-373537
- BR-404027
- BR-455037E
- BR-343087E




For technical assistance or the SHARK dealer nearest you, call 1-800-771-1881
**or visit our website at www.shark-pw.com**

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Model Number _____

Serial Number _____

Date of Purchase _____

The model and serial numbers will be found on a decal attached to the pressure washer. You should record both serial number and date of purchase and keep in a safe place for future reference.

# INTRODUCTION & IMPORTANT SAFETY INFORMATION

Thank you for purchasing a this pressure washer.

All information in this manual is based on the latest product information available at the time of printing.

Manufacturer reserves the right to make changes at any time without incurring any obligation.

## Owner/User Responsibility:

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this pressure washer. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

The operator must know how to stop the machine quickly and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.

**This manual should be considered a permanent part of the machine and should remain with it if machine is resold.**

**When ordering parts, please specify model and serial number.**

## IMPORTANT SAFETY INFORMATION

**⚠ CAUTION**

READ OPERATOR'S MANUAL THOROUGHLY PRIOR TO USE.

***CAUTION: To reduce the risk of injury, read operating instructions carefully before using.***

1. Read the owner's manual thoroughly. Failure to follow instructions could cause malfunction of machine and result in death, serious bodily injury and/or property damage.
2. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling distributor for specific details.
3. This machine has been provided with Warning and Instruction decals for the safety of the operator. If these decals are removed or become damaged they should be replaced. Contact your dealer for replacement decals.

**⚠ CAUTION**

RISK OF ASPHYXIATION. USE ONLY IN A WELL VENTILATED AREA.

***CAUTION: Risk of asphyxiation — Use this product only in a well ventilated area.***

4. Avoid installing machines in small areas or near exhaust fans. Exhaust contains poisonous carbon monoxide gas; exposure may cause loss of consciousness and may lead to death. It also contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.

**⚠ WARNING**

RISK OF FIRE. DO NOT ADD FUEL WHEN OPERATING MACHINE.

***WARNING: Flammable liquids can create fumes which can ignite causing property damage or severe injury.***

***WARNING: Risk of fire — Do not add fuel when the product is operating.***

***WARNING: Risk of explosion — Do not spray flammable liquids.***

5. Do not place machine near flammable objects as the engine is hot.
6. Allow engine to cool for 2 minutes before refueling. If any fuel is spilled, make sure the area is dry before testing the spark plug or starting the engine. (Fire and/or explosion may occur if this is not done.)

   When refueling gasoline engines on mobile or portable equipment, make sure to refuel:

   a. outdoors;
   b. with the engine on the equipment stopped;
   c. with no source of ignition within 10 feet of the dispensing point; and
   d. with an allowance made for expansion of the fuel should the equipment be exposed to a higher ambient temperature.

   In an overfilling or spillage situation, additional precautions are necessary to ensure that the situation is handled in a safe manner.

**⚠ WARNING**

HIGH PRESSURE SPRAY CAN PIERCE SKIN AND TISSUES.

***WARNING: High pressure stream of water that this equipment can produce can pierce skin and its underlying tissues, leading to serious injury and possible amputation.***

# INTRODUCTION & IMPORTANT SAFETY INFORMATION

**⚠ WARNING**

**PROTECTIVE EYEWEAR AND CLOTHING MUST BE WORN.**

***WARNING: High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds. To avoid personal injury, eye safety devices must be worn.***

7. Protective clothing and foot protection must be worn when using this equipment.
8. High pressure developed by these machines will cause personal injury or equipment damage. Use caution when operating. Do not direct discharge stream at people, or severe injury or death will result.
9. Never make adjustments on machine while in operation.
10. Do not block or tie spray gun in open position.
11. Do not place hands or feet on non-insulated areas of the pressure washer when starting gasoline engine.
12. When applying detergents, follow the safety rules on the detergent label.
13. Use detergent from a covered D.O.T. approved container.
14. Cleaning area should be provided with adequate slopes and drainage. This will reduce the possibility of a fall due to slippery surface.
15. The best insurance against an accident is precaution and knowledge of the machine.
16. Manufacturer will not be liable for any changes made to our standard machines, or any components not purchased from the manufacturer.
17. Read engine safety instructions provided.

**⚠ WARNING**

**KEEP WATER SPRAY AWAY FROM ELECTRICAL WIRING.**

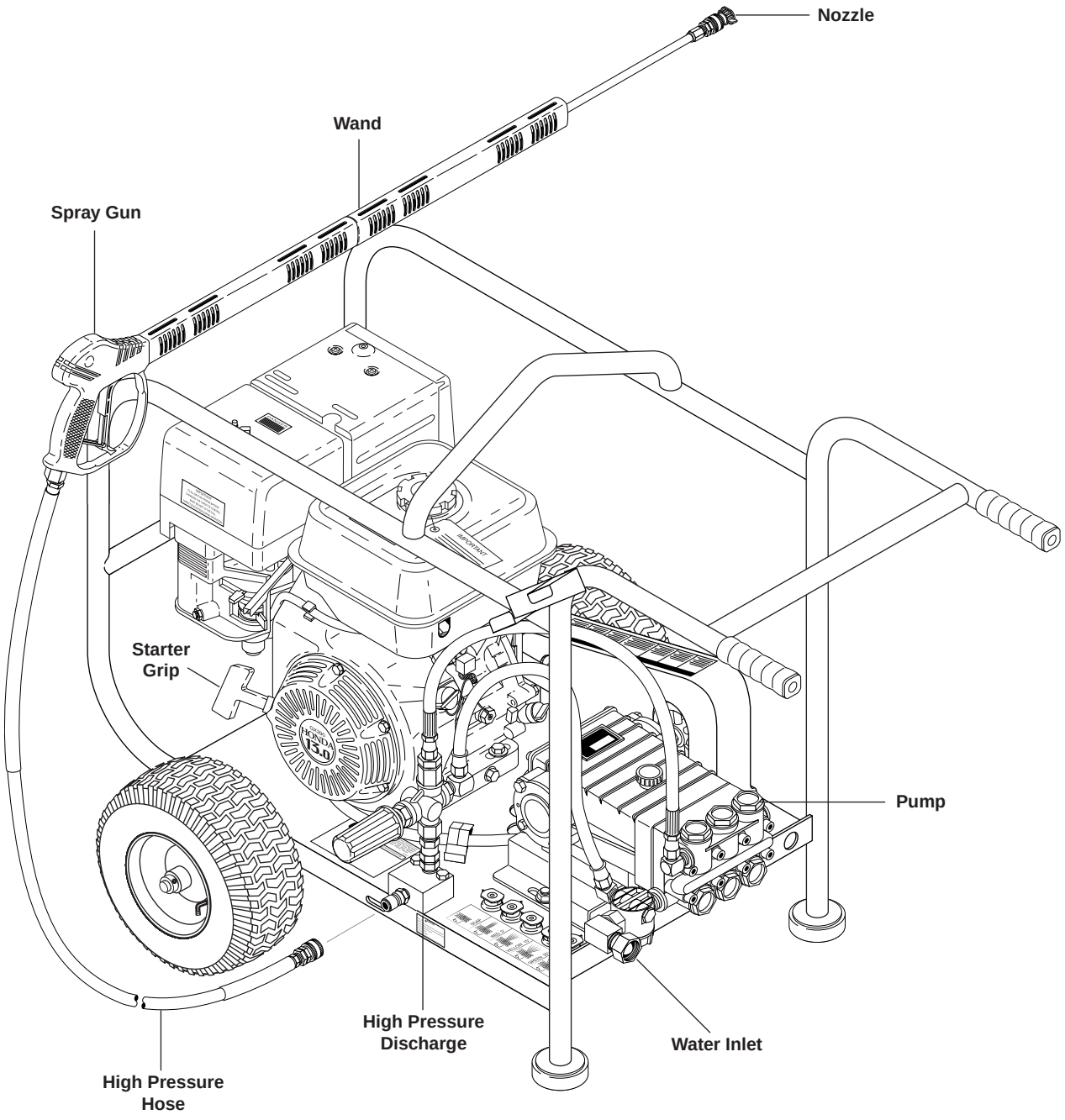
***WARNING: Keep water spray away from electrical wiring or fatal electric shock may result.***

18. Never run pump dry or leave spray gun closed longer than 5 minutes.
19. Do not allow children to operate the pressure washer at any time.
20. Do not allow machine to run unattended.
21. Inlet water supply must be cold and clean fresh water.

***CAUTION: Spray gun kicks back – Hold with both hands.***

***CAUTION: Risk of injury – Disconnect battery ground terminal before servicing.***

# COMPONENT IDENTIFICATION — SMALL MODELS




**Pump** — Develops high pressure.

**Starter Grip**— Used for starting the engine manually.

**Spray Gun** — Controls the application of water and detergent onto cleaning surface with trigger device. Includes safety latch.

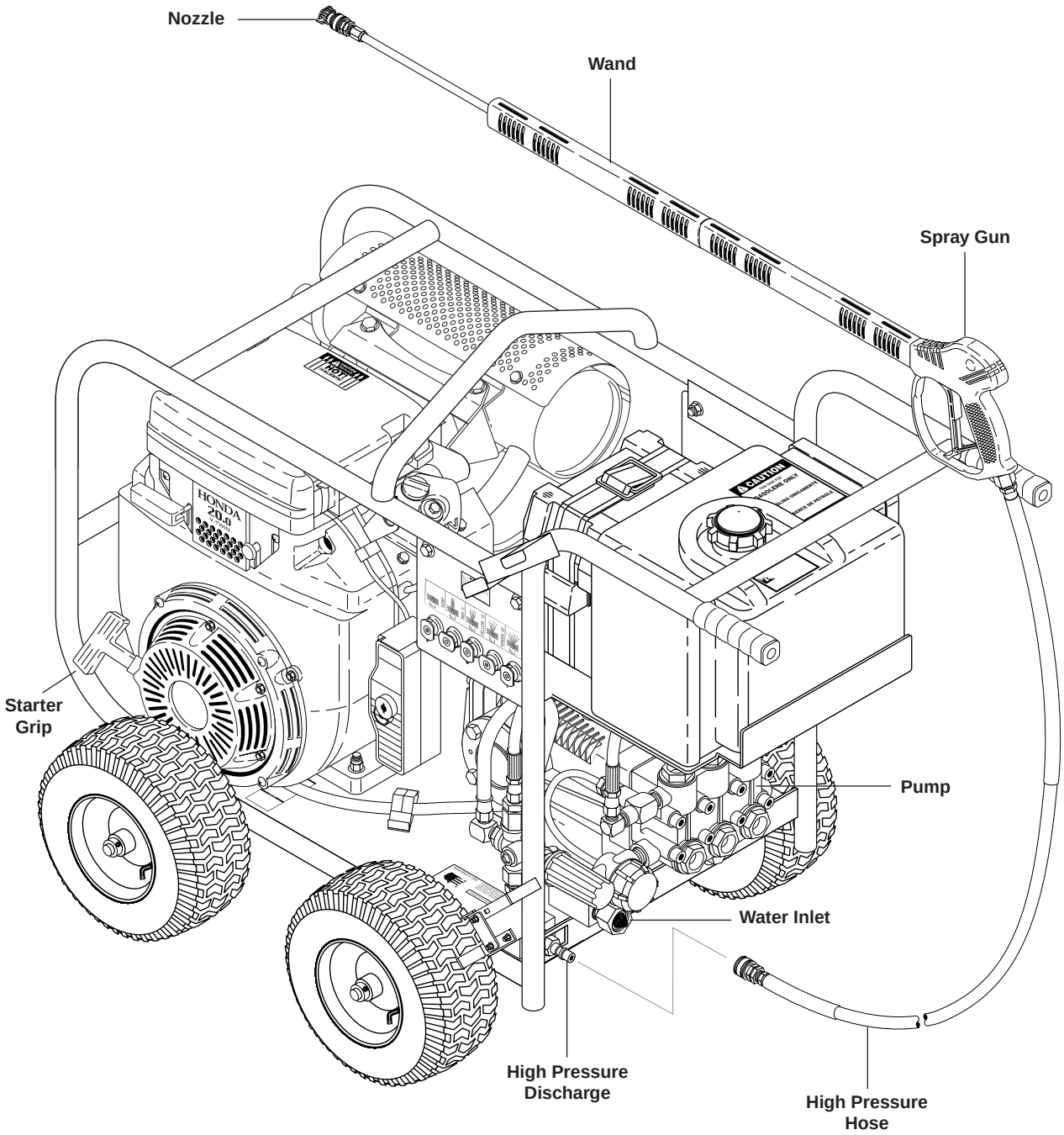
**Detergent Injector** — Allows you to siphon and mix detergents (not shown).

**Wand** — Must be connected to the spray gun.

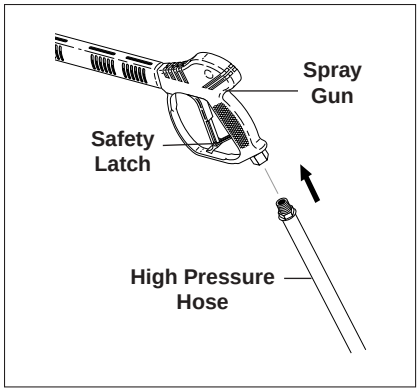
**High Pressure Hose** — Connect one end to water pump discharge nipple and the other end to spray gun.

**Note**: **If trigger on spray gun is released for more than 2 minutes, water will leak from valve. Warm water will discharge from pump protector onto floor. This system prevents internal pump damage.**

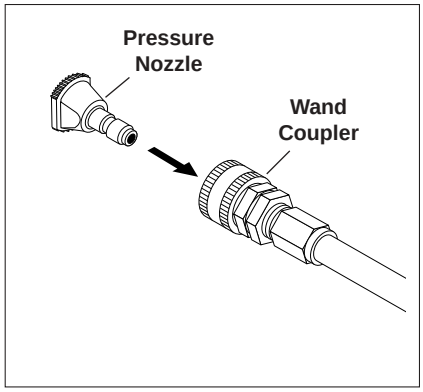
# COMPONENT IDENTIFICATION — LARGE MODELS



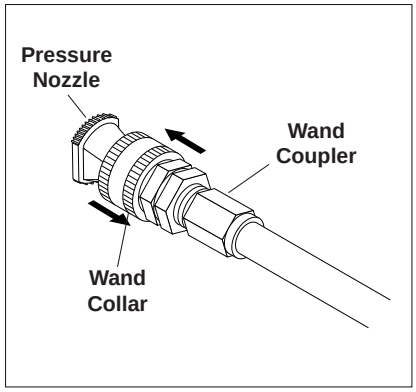
# ASSEMBLY INSTRUCTIONS



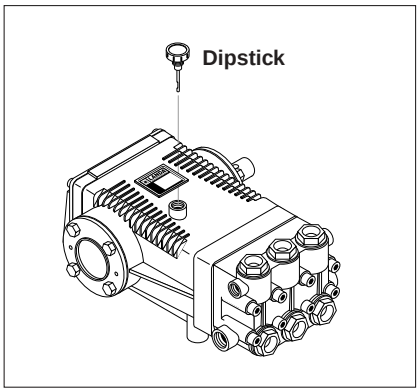

**STEP 1:** Attach the high pressure hose to the spray gun using teflon tape on hose threads.



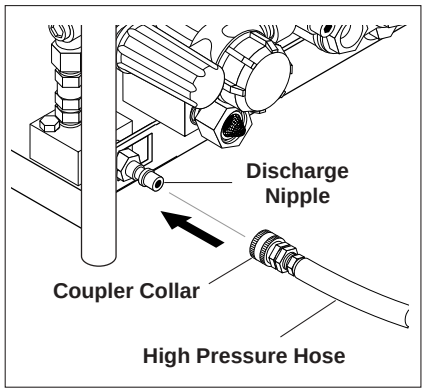

**STEP 2:** Pull the spring-loaded collar of the wand coupler back to insert your choice of pressure nozzle.



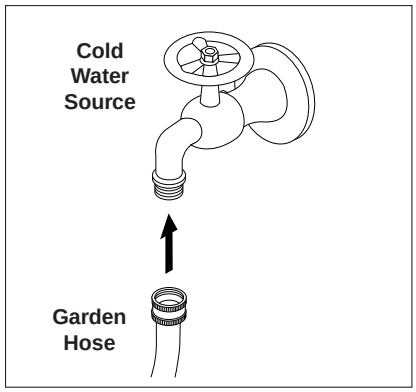

**STEP 3:** Release the coupler collar and push the nozzle until the collar clicks. Pull the nozzle to make sure it is seated properly.



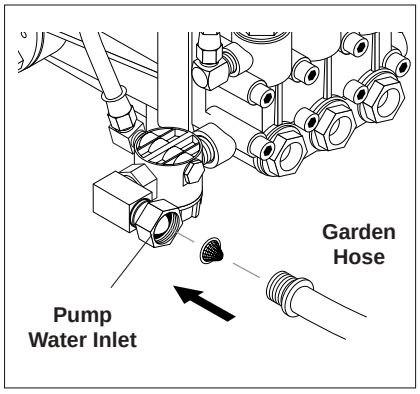

**STEP 4:** Remove shipping cap and install oil dipstick. Check pump oil level by using dipstick or observe oil level in oil window (if equipped). Use 30 wt. non detergent oil.




**STEP 5:** Connect the high pressure hose to the pump discharge nipple. Push coupler collar forward until secure.

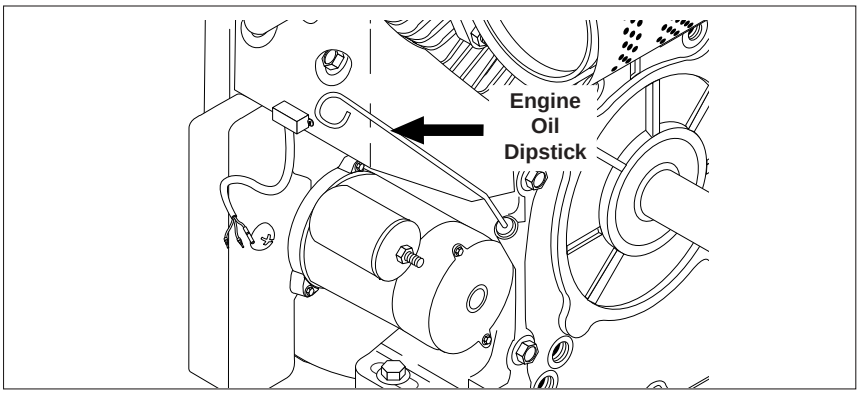



**STEP 6:** Connect garden hose to the cold water source.

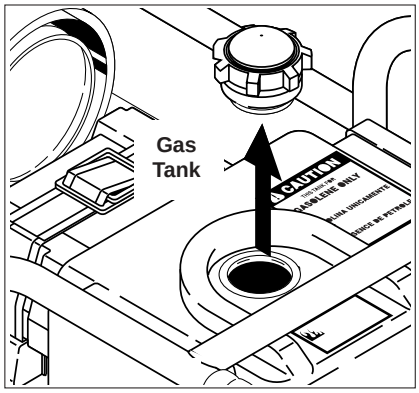



**STEP 7:** Check inlet filters, remove debris, then connect garden hose to pump water inlet. ***CAUTION: Do not run the pump without water or pump damage will result.***

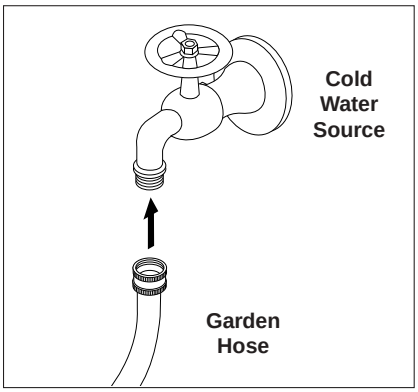
# OPERATING INSTRUCTIONS



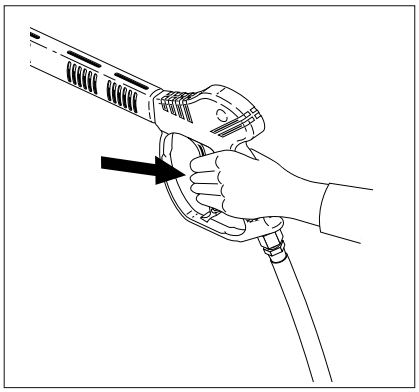

**STEP 1:** Check engine oil level. Oil level should be level with the bottom of the oil filler neck. Be sure the machine is level when checking the oil level. (Refer to the engine's operating manual included with machine.) We recommend that the oil be changed after the first 5 hours of use, then once every 50 hours. **Note:** Improper oil levels will cause low oil sensor to shut off engine. **IMPORTANT! Do not run engine with high or low oil levels as this will cause engine damage.**



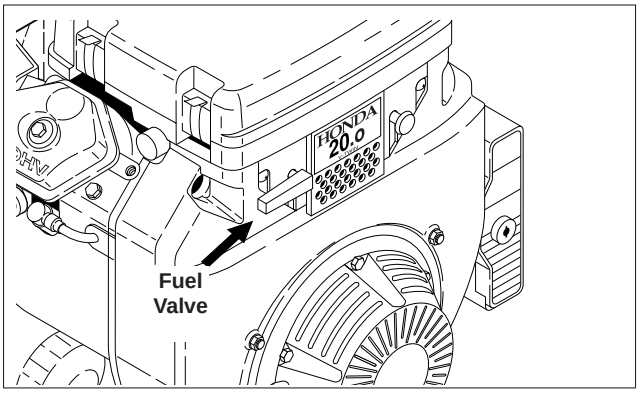

**STEP 2:** Fill gas tank with unleaded gasoline. Do not use leaded gasoline.



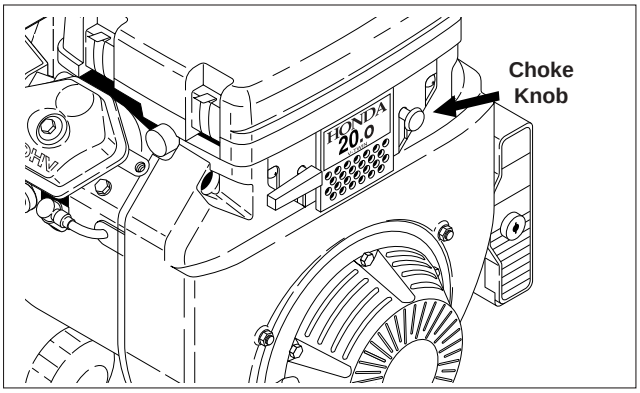

**STEP 3:** Connect garden hose to the cold water source and turn water on completely. Never use hot water.



**STEP 4:** Trigger the spray gun to eliminate trapped air then wait for a steady flow of water to emerge from the spray nozzle.

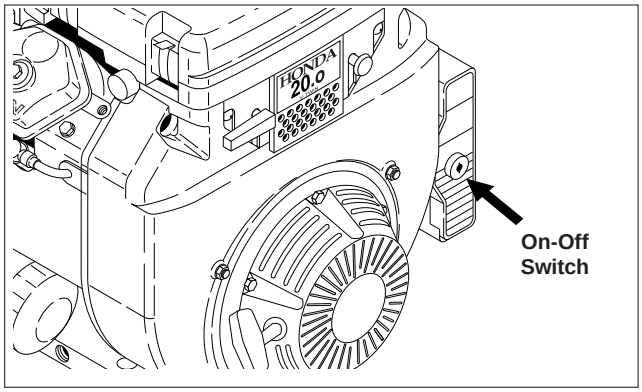



**STEP 5:** Rotate the fuel shut-off valve to the "On" position. Slide the fuel valve lever to the "ON" position. When the engine is not in use, leave the fuel valve in the "OFF" position.

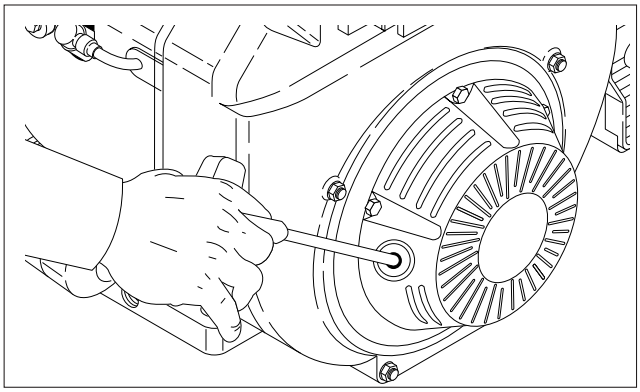



**STEP 6:** Pull the choke knob out to the "Choke" position (on a warm engine, when in the run position, leave the choke knob in). Push the choke knob to the "Closed" position. To restart a warm engine, leave the choke knob in the "Open" position.

# OPERATING INSTRUCTIONS (CON'T)



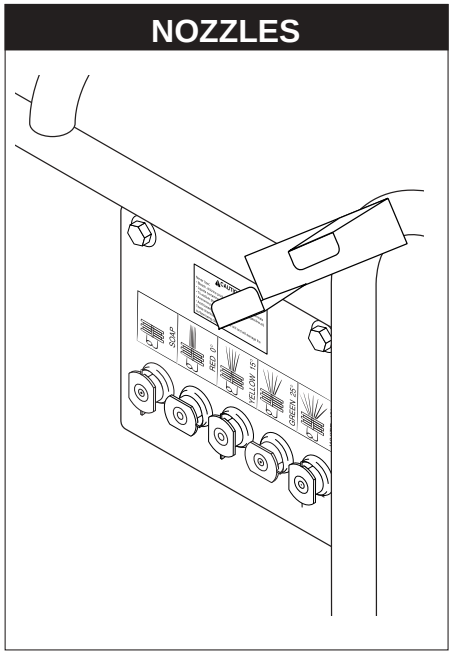

**STEP 7:** Turn the engine switch to "ON" position.



**STEP 8:** Pull the starter grip. If the engine fails to start after 2 pulls, squeeze the trigger gun to release pressure and repeat step. Return starter gently. After the engine warms up enough to run smoothly, move choke to run position and throttle to fast position.

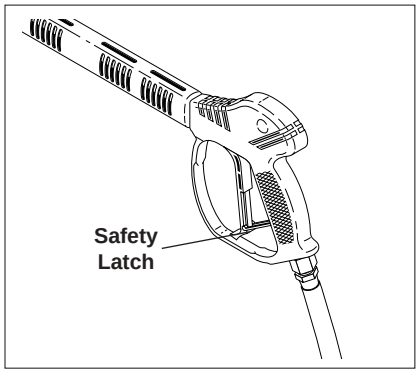
***CAUTION: Small engines may kick back. Do not hold pull starter grip tightly in hand.***

## NOZZLES



The five color-coded quick connect nozzles provide a wide array of spray widths from 0° to 45° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine.

N**OTE:** For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle. To apply detergent select the black nozzle.

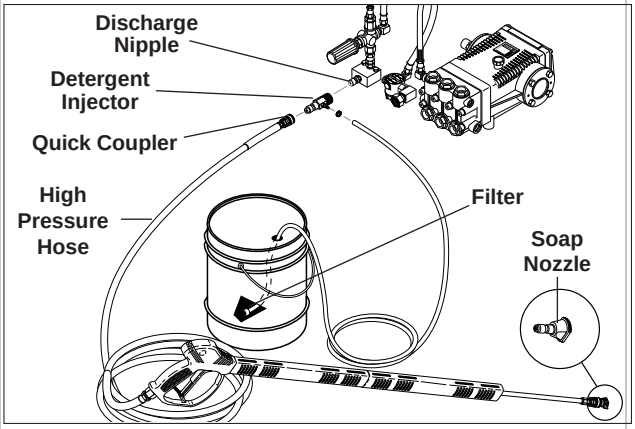


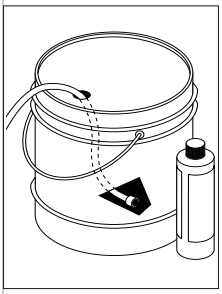

**⚠ WARNING! Never replace nozzles without engaging the safety latch on the spray gun trigger.**

# APPLYING DETERGENT AND GENERAL CLEANING TECHNIQUES

***WARNING: Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.***

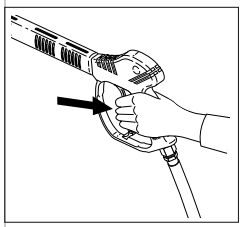
**STEP 1:** Connect detergent injector to discharge nipple on machine. Connect high pressure hose to injector with quick coupler. (Check to make sure locking coupler sleeves are in proper position before applying water pressure).



**STEP 2:** Use detergent designed specifically for pressure washers. Household detergents could damage the pump. Prepare detergent solution as required by the manufacturer. Fill a container with pressure washer detergent. Place the filter end of detergent suction hose into the detergent container.

**STEP 3:** With safety latch on spray gun engaged, secure black soap nozzle into quick coupler. **NOTE:** Detergent cannot be applied using red, yellow, green or white nozzles.



**STEP 4:** With the engine running, pull trigger to operate machine. Liquid detergent is drawn into the machine and mixed with water. Apply detergent to work area. Do not allow detergent to dry on surface.

***IMPORTANT: You must flush the detergent injection system after each use by placing the suction hose into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.***

# THERMAL PUMP PROTECTION

If you run the engine on your pressure washer for 3-5 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach high temperatures. When the water reaches this temperature, the pump protector engages and cools the pump by discharging the warm water onto the ground. This thermal device prevents internal damage to the pump.

# CLEANING TIPS

Pre-rinse cleaning surface with fresh water. Place detergent suction tube directly into cleaning solution and apply to surface at low pressure (for best results, limit your work area to sections approximately 6 feet square and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If surface appears to be drying, simply wet down surface with fresh water. If needed, use brush to remove stubborn dirt. Rinse at high pressure from top to bottom in an even sweeping motion keeping the spray nozzle approximately 1 foot from cleaning surface. Use overlapping strokes as you clean and rinse any surface. For best surface cleaning action spray at a slight angle.

## Recommendations:

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- Keep the spray nozzle a safe distance from the surface you plan to clean. High pressure wash a small area, then check the surface for damage. If no damage is found, continue to pressure washing.

***CAUTION - Never use:***

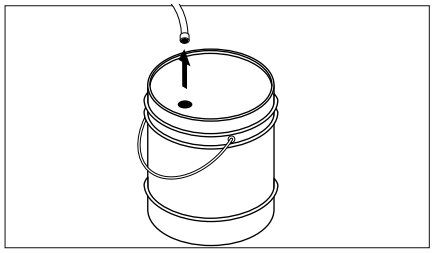
- Bleach, chlorine products and other corrosive chemicals
- Liquids containing solvents (i.e., paint thinners, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the machine and will damage the surface being cleaned.

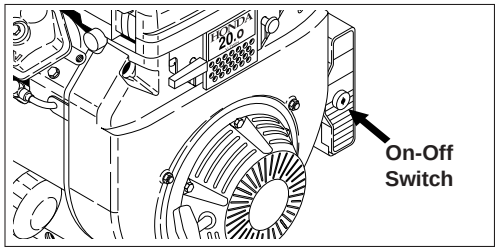
# RINSING

It will take a few seconds for the detergent to clear. Apply safety latch to spray gun. Remove black soap nozzle from the quick coupler. Select and install the desired high pressure nozzle. **NOTE:** You can also stop detergent from flowing by simply removing detergent siphon hose from bottle.

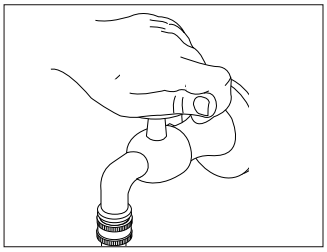
# SHUTTING DOWN AND CLEAN-UP



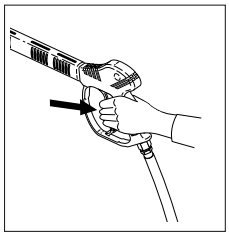
**STEP 1:** Remove detergent suction tube from container and insert into one gallon of fresh water. Slide nozzle forward for low pressure or to connect black detergent nozzle. Pull trigger on spray gun and siphon water for one minute.



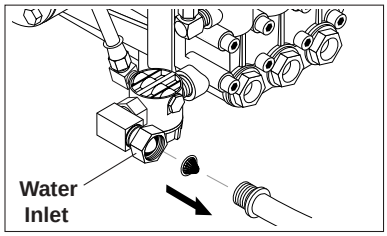

**STEP 2:** Turn engine switch to "OFF" position.



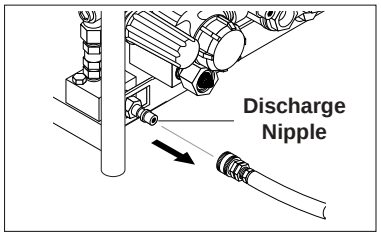
**STEP 3:** Turn off water supply.



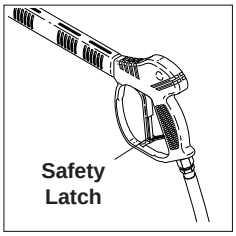
**STEP 4:** Press trigger to release water pressure.




**STEP 5:** Disconnect the garden hose from the water inlet on the machine.




**STEP 6:** Disconnect the high pressure hose from the discharge nipple.




**STEP 7:** Engage the spray gun safety lock.

# STORAGE

***CAUTION: Always store your pressure washer in a location where the temperature will not fall below 32°F (0°C). The pump in this machine is susceptible to permanent damage if frozen. FREEZE DAMAGE IS NOT COVERED BY WARRANTY.***

1. Stop the pressure washer, squeeze spray gun trigger to release pressure.
2. Detach water supply hose and high pressure hose.
3. Turn on the machine for a few seconds, until remaining water exits. Turn engine off immediately.
4. Drain the gas and oil from the engine.
5. Do not allow high pressure hose to become kinked.
6. Store the machine and accessories in a room which does not reach freezing temperatures.

***CAUTION: Failure to follow the above directions will result in damage to your pressure washer.***

When the pressure washer is not being operated or is being stored for more than one month, follow these instructions:

1. Replenish engine oil to upper level.
2. Drain gasoline from fuel tank, fuel line, fuel valve and carburetor.
3. Pour about one teaspoon of engine oil through the spark plug hole, pull the starter grip several times and replace the plug. Then pull the starter grip slowly until you feel increased pressure which indicates the piston is on its compression stroke and leave it in that position. This closes both the intake and exhaust valves to prevent rusting of cylinder.
4. Cover the pressure washer and store in a clean, dry place that is well ventilated away from open flame or sparks. **NOTE:** The use of a fuel additive, such as STA-BIL®, or an equivalent, will minimize the formulation of fuel deposits during shortage. Such additives may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

## After Extended Storage

***CAUTION: Prior to restarting, thaw out any possible ice from pressure washer hoses, spray gun or wand.***

## Engine Maintenance

During the winter months, rare atmospheric conditions may develop which will cause an icing condition in the carburetor. If this develops, the engine may run rough, lose power and may stall. This temporary condition can be overcome by deflecting some of the hot air from the engine over the carburetor area. **NOTE:** Refer to the engine manufacturer's manual for service and maintenance of the engine.

# TROUBLESHOOTING

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| **LOW OPERATING PRESSURE** | Insufficient water supply. Closed faucet. Inlet hose kinked | Use larger garden hose; clean inlet water screen. Open faucet. |
| | Clogged inlet hose strainer | Check plumbing system for leaks. Retape leaks with teflon tape. |
| | Faulty or misadjusted unloader valve | Adjust unloader for proper pressure. Install repair kit when needed. Call technical support. |
| | Worn packing in pump | Call technical support. |
| | Machine has been stored in freezing temperatures. | Thaw out machine completely, including hose, spray gun and wand. |
| | Slow engine RPM | Call technical support. |
| **FLUCTUATING PRESSURE** | Worn or dirty pump valves | Call technical support. |
| | Nozzle is obstructed | Use nozzle wire in accessory kit. |
| | Pump sucking air, inlet hose leaking | Check all pump lines and connections. |
| **PRESSURE LOW AFTER PERIOD OF NORMAL USE** | Nozzle worn | Replace nozzle. |
| | Unloader valve worn | Replace unloader valve. |
| **ENGINE WILL NOT START OR STOPS WHILE OPERATING** | Low oil shutdown | Fill engine with oil. |
| | Water in gasoline | Drain gas tank; fill with clean fuel. |
| | Out of gas | Fill fuel tank. |
| **ENGINE IS OVERLOADED** | Nozzle partially blocked | Clean nozzle. |
| | Excessive pressure from high engine RPM | Adjust engine throttle to lower RPM. |
| **WATER OR OIL LEAKING FROM BOTTOM OF PUMP** | A small amount of leaking is normal | If excessive leaking occurs, call technical support. |
| **PRESENCE OF WATER IN PUMP OIL** | Water sprayed at machine | Change oil. Direct spray away from machine. |
| | High humidity in air | Check and change oil twice as often. |
| | Piston packing worn. Oil seal worn | Call technical support. |

# TROUBLESHOOTING

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| **ENGINE OPERATES FOR 15 MIN. THEN STOPS** | Not enough gas or engine oil | Fill tank with gas. Check oil level. |
| | Vapor lock developed by heat of day | Keep gas tank full to avoid vapor locking. |
| | Obstruction in fuel filter | Clean or replace fuel filter. |
| **ENGINE LACKS POWER** | Dirty air filter | Replace air filter. |
| **ENGINE FALTERS** | Choke is opened too soon | Move choke to halfway position until engine runs smoothly. |
| **WATER DRIPPING FROMUNDER PUMP** | Piston packing worn | Call technical support. |
| | O-Ring plunger retainer worn | Call technical support. |
| | Cracked piston | Call technical support. |
| **OIL DRIPPING** | Oil seal worn or damaged | Call technical support. |
| **WATER LEAKING FROM PUMP PROTECTOR** | Spray gun closed with machine running 5 minutes or longer | Open spray gun or turn off machine. |
| | Excess water supply pressure | Place a pressure regulator at end of 50' garden hose. |
| **NO DETERGENT** | Detergent suction tube not properly connected to machine | Check connection. |
| | Detergent is too thick | Dilute detergent. For best results, use Rhino detergent. |
| | Detergent filter valve is at lowest setting | Set detergent filter valve to a higher setting. |
| | Filter on detergent suction tube is clogged | Run warm water through filter to remove debris. |
| | Damaged or clogged detergent suction tube | Remove obstruction or replace detergent suction tube. |
| | A high pressure nozzle is attached. | Replace with black detergent nozzle. |
| | Discharge nozzle is obstructed | Blow out or remove debris with fine needle. |
| **GARDEN HOSE CONNECTION LEAKS** | Loose fittings | Tighten fittings. |
| | Missing/worn rubber washer | Insert new washer. |
| **SPRAY WAND LEAKS** | Spray wand not properly attached | Slide the spray wand into the gun. Turn the wand collar clockwise onto the spray gun threads until tight. |
| | Broken o-ring | Call customer service and order an o-ring. |
| **PUMP IS NOISY** | Pump is sucking air | Check that hoses and fittings are air tight. Turn off machine and purge pump by squeezing trigger gun until a steady flow of water emerges through nozzle. |

# PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

| | | |
|---|---|---|
| **Pump Oil** | **Inspect** | Daily inspect the oil level |
| | **Change** | After first 50 hours, then every 500 hours or annually |
| **Replace high pressure nozzle** | | Every 6 months |
| **Replace quick connects** | | Annually |
| **Clean water screen/filter** | | Weekly |
| **Replace HP hose** | | Annually if there is any sign of wear |
| **Grease motor** | | Every 10,000 hours |

# OIL CHANGE RECORD

Check pump oil and engine oil level before first use of your new pressure washer.

| Date Oil Changes Month/Day/Year | Estimated Operating Hours Since Last Oil Change |
|---|---|
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| Date Oil Changes Month/Day/Year | Estimated Operating Hours Since Last Oil Change |
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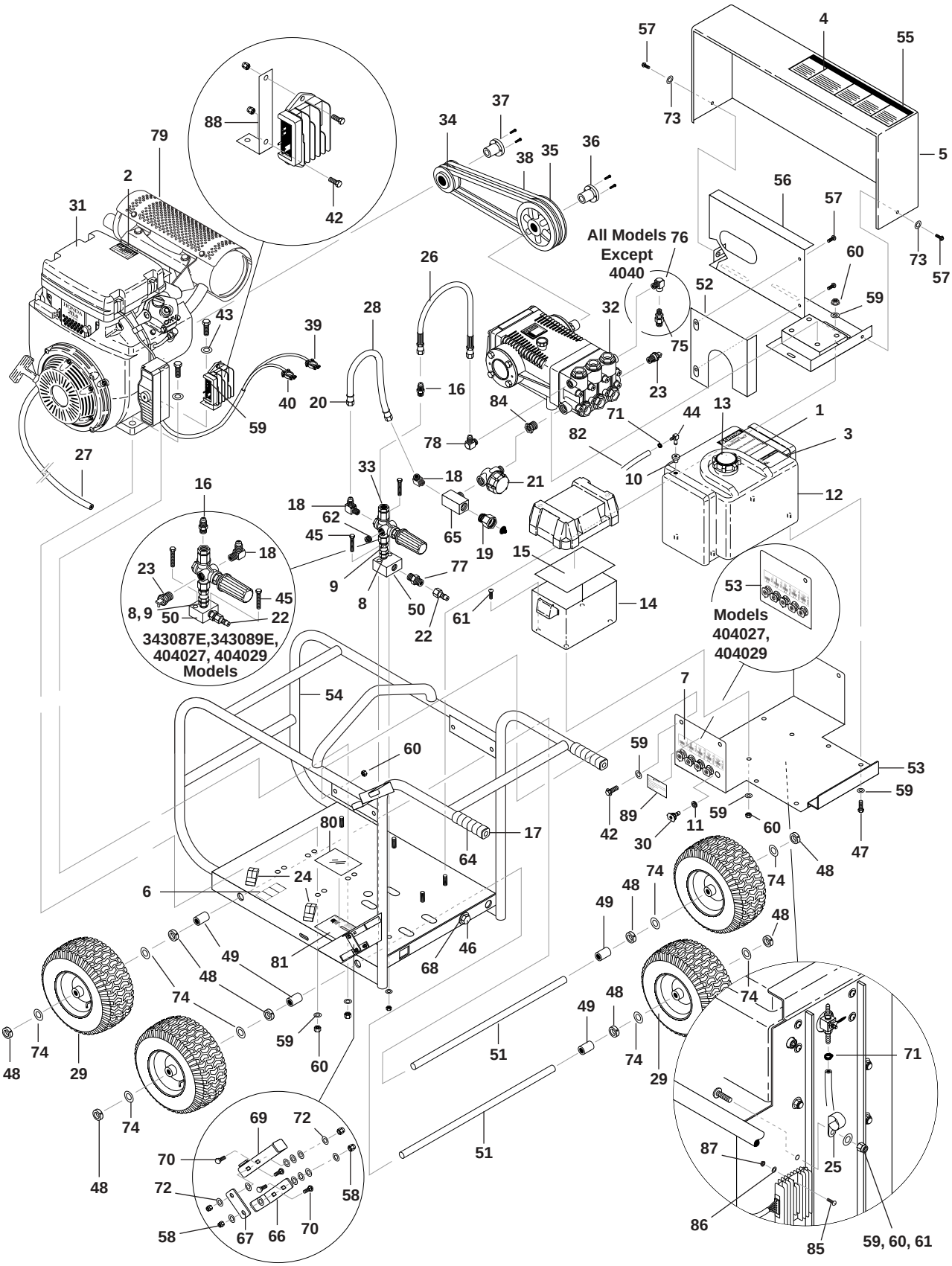
# EXPLODED VIEW - LARGE



# EXPLODED VIEW PARTS LIST- LARGE

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 10-02011 | Label, This Tank For Gas Only (455037E, 455039E, 455034E) | 1 |
| | 10-020090 | Label, Diesel (343087E, 343089E) | 1 |
| 2 | 10-02025A | Label, “Hot/Caliente” w/Arrows | 1 |
| 3 | 10-02029 | Label, Danger Cool Engine (455037E, 405039E, 455039E 455034E) | 1 |
| 4 | 11-01011 | Label, Warning Pictoral(Small) | 1 |
| 5 | 11-013 | ▲ Label, Logo, Belt Guard (BR) | 1 |
| | 10-03014 | ▲ Label, Logo, Belt Guard (MP) | 1 |
| | 11-3227 | ▲ Label, Logo, Belt Guard (BD) | 1 |
| 6 | 11-0316 | Label, Instructions | 1 |
| 7 | 10-03008 | Label, Nozzle Identification | 1 |
| 8 | 2-0051 | Nipple, 1/2” JIC, 3/8” Pipe | 1 |
| 9 | 2-0079 | Swivel, 1/2" JIC Fem, 3/8" Male | 1 |
| 10 | 2-010061 | Bushing, Rubber, Nitrile (405039E, 455039E, 455034E, 455037E)<br>(343087E, 343089E) | 1<br>2 |
| 11 | 2-0103 | Grommet, Rubber, Nozzle Holder | 5 |
| 12 | 2-011507 | Tank, Encore 5 Gal. Tank (343087E, 343089E, 405039E, 455039E, 455034E) | 1 |
| 13 | 2-01167 | Cap, Fuel Tank, Plastic (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 1 |
| 14 | 2-0117 | Battery, Box (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 1 |
| 15 | 2-011700 | Plate, Battery Box, Small, Polypro (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 1 |
| 16 | 2-0051 | Nipple 1/2" JIC x 3/8" Male (343087E,343089E,404027, 404029) | 1 |
| | 2-00510 | Nipple, 1/2" JIC x 3/8" Fem (405039E, 455034E, 455037E, 455039E) | 1 |
| 17 | 2-0155 | Fastener, Ratchet, Black Nylon | 2 |
| 18 | 2-1062 | Elbow, 1/2" JIC x 1/2", 90° (405039E, 455034E, 455037E 455039E) | 2 |
| | | (343087E, 343089E, 404027, 404029) | 1 |
| | 2-1060 | Elbow, 1/2” JIC x 3/8”, 90° (404027, 404029, 343087E, 343089E) | 1 |

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 19 | 2-10942 | Swivel, 1/2"MP x 3/4" GHF w/Strainer | 1 |
| 20 | 2-1105 | Swivel, 1/2" JIC Fem, Push-On | 2 |
| 21 | 2-1923 | Strainer, 1/2" PA, Inline Plastic | 1 |
| 22 | 2-20022 | Nipple, 3/8" Fem, 11,000 PSI” (405039E, 455039E, 455034E, 455037E) | 1 |
| | 2-2007 | Nipple, 3/8" x 3/8" NPT ST Male (404027, 404029, 343087E, 343089E) | 1 |
| 23 | 2-30082 | Pump Protector, 1/2" PTP (405039E, 455039E, 455034E, 455037E) | 1 |
| | 2-300816 | Pump Protector, 3/8" (404027, 404029, 343087E, 343089E) | 1 |
| 24 | 2-90151 | Clamp, Snap-In Wire (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 2 |
| 25 | 2-9016 | Clamp, Round, 0.56 I.D. (405039E, 455039E, 455034E, 455037E) | 1 |
| 26 | 4-02047914 | Hose, 3/8" x 14", 2 Wire, Pressure Loop (405039E, 455034E 455037E, 455039E) | 1 |
| | 4-02047714 | Hose, 3/8" x 1/4", 2 Wire Pressure (343087E, 343089E, 404027, 404029) | 1 |
| 27 | 4-02100000 | Hose, 1/4", Push-On, Fuel Line (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 4.75 ft. |
| 28 | 4-02110000 | Hose, 1/2", Push-On | 1.25 ft. |
| 29 | 4-0307 | Wheel & Tire Cmpl, 6" | 4 |
| 30 | 4-12803500 | Nozzle, SACQMEG, 0003.5, Red (405039E) | 1 |
| | 4-12803515 | Nozzle, SAQCMEG 1503.5, Yellow (405039E) | 1 |
| | 4-12803525 | Nozzle, SAQCMEG, 2503.5, Green (405039E) | 1 |
| | 4-12803540 | Nozzle, SAQCMEG 4003.5, White (405039E) | 1 |

# EXPLODED VIEW PARTS LIST- LARGE

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| | 4-12804000 | Nozzle, SAQCMEG 0004, Red (343087E,343089E,404029, 404027,455039E,455034E, 455037E) | 1 |
| | 4-12804015 | Nozzle, SAQCMEG 1504, Yellow (343087E,343089E,404029, 404027,455039E,455034E, 455037E) | 1 |
| | 4-12804025 | Nozzle, SAQCMEG 2504, Green (343087E,343089E,404029, 404027,455039E,455034E, 455037E) | 1 |
| | 4-12804040 | Nozzle, SAQCMEG 4004, White (343087E,343089E,404029, 404027,455039E,455034E, 455037E) | 1 |
| | 4-16540 | Nozzle COMPL, QCEM-6540, Brass (404029, 455039E, 405039E, 343089E, 455034E, 455037E, 455037E) | 1 |
| 31 | Engine, See Specifications Pages | | |
| 32 | Pump, See Specifications Pages | | |
| 33 | Unloader, See Specifications Pages | | |
| 34 | Engine Pulley, See Specifications Pages | | |
| 35 | Pump Pulley, See Specifications Pages | | |
| 36 | Pump Bushing, See Specifications Pages | | |
| 37 | Engine Bushing, See Specifications Pages | | |
| 38 | Belts, See Specifications Pages | | |
| 39 | 6-05109 | Cable, Battery, 32" Red, 4 Gauge (343087E, 343089E, 405039E, 455039E, 455034E 455037E) | 1 |
| 40 | 6-051092 | Cable, Battery, 36" Black, 4 Gauge (343087E, 343089E, 405039E, 455039E, 455034E, 455037E) | 1 |
| 41 | 2-30057 | Valve, Shut-Off, 1/4 Turn | 1 |
| 42 | 90-1007 | Bolt, 5/16" x 1", NC HH (343087E, 343089E) | 6 |
| | | (405039E, 455039E, 455034E, 455037E) | 4 |
| | | (404027,404029) | 2 |
| 43 | 90-1010 | Bolt, 5/16" x 1-3/4", NC HH (404027, 404029) | 4 |
| | 90-1019 | Bolt, 3/8" x 1-3/4" (343087E, 343089E) | 4 |
| 43 | 90-1020 | Bolt, 3/8" x 2", NC, HH (405039E, 455034E, 455037E, 455039E) | 4 |
| 44 | 2-010066 | Elbow, Fuel Tank, Zinc (343087E, 343089E) | 1 |
| 45 | 90-1020 | Bolt, 3/8" x 2" NC, HH | 2 |

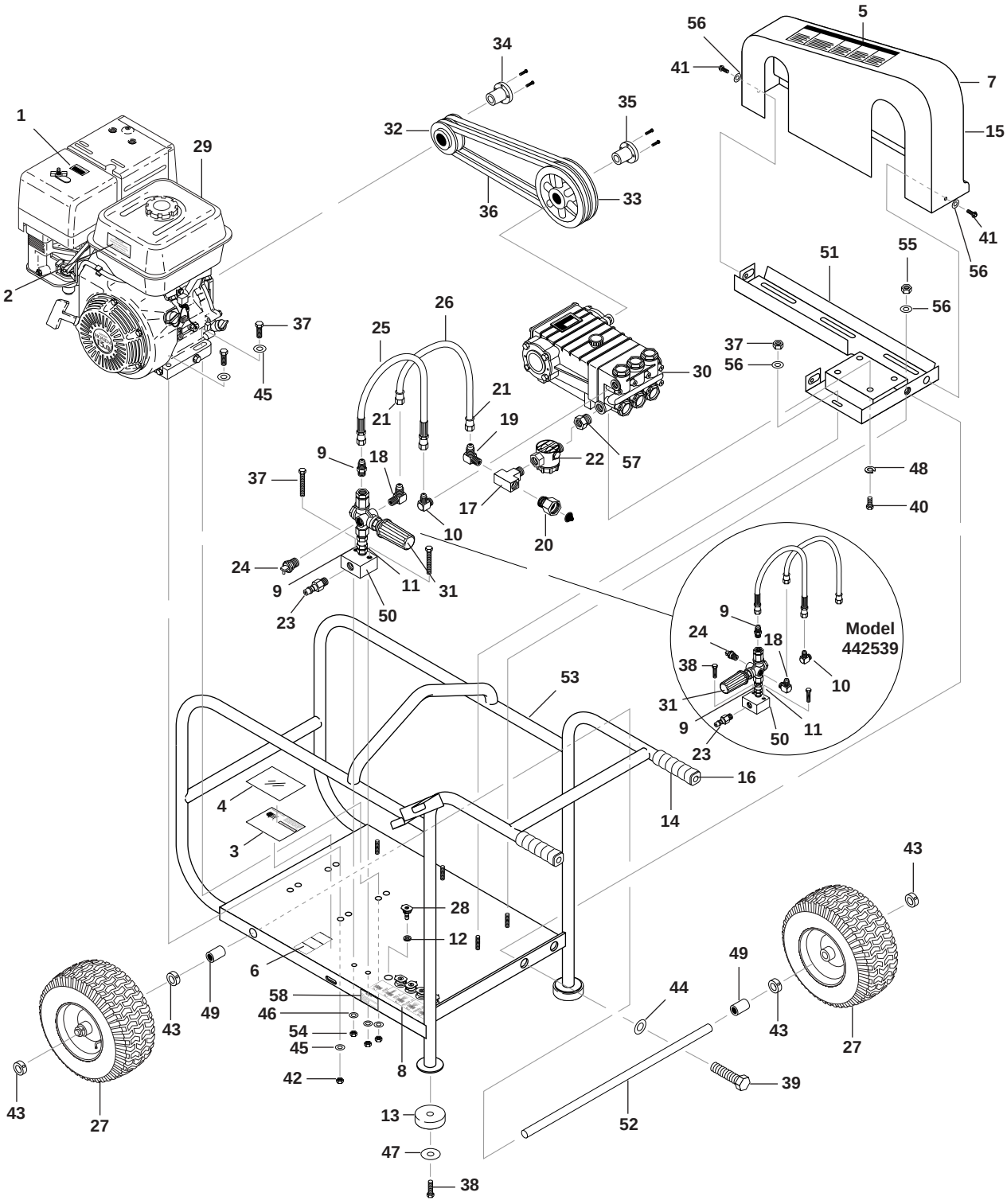
| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 46 | 90-102746 | Bolt, 1/2" x 5" NC HH Tap (404027, 404029, 405039E, 455039E, 455034E, 455037E) | 1 |
| | 90-102751 | Bolt, 1/2" x 3-1/2", NC, HH (343087E, 343089E) | 1 |
| 47 | 90-18012 | Screw, 1/4" x 5/8", Phil PH MS (343087E, 343089E, 405039E, 455034E, 455037E, 455039E) | 4 |
| 48 | 90-20041 | Collar, 5/8" Bore Shaft | 8 |
| 49 | 90-40181 | Washer , Nylon Spacer, 0.656 x 1.25 x 0.65 THK | 4 |
| 50 | 95-07101216/B | Block, Unloader, 3/8" x 3/8" Brass | 1 |
| 51 | 95-07393125 | Axle, 5/8" x 31.25" | 2 |
| 52 | 95-07104036 | Guard, Belt, Rear Steel | 1 |
| 53 | 95-07162047 | Assy, Weld, Battery Brkt, CW Cage, Red (343087E, 343089E, 405039E, 455039E, 455037E) | 1 |
| | 95-07162048 | Assy, Weld, Battery Brkt, CW Cage, Black (455034E) | 1 |
| | 95-07162081 | Holder, Nozzle (404027 404029) | 1 |
| 54 | 95-07162054 | Assy, Weld, Cage, CW Red (BD, BR) | 1 |
| | 95-07162055 | Assy. Weld, Cage, CW Black (MP) | 1 |
| 55 | 95-07162045 | Guard, Belt, Front, CW Cage, Black | 1 |
| 56 | 95-07162071 | Assy, Weld, Slider, CW Cage, Red (404029, 405039E, 455037E, 455039E, 404027) | 1 |
| | 95-07162072 | Assy, Weld, Slider, CW Cage, Black (455034E) | 1 |
| | 95-07162096 | Slider, Assy., Welded, 10HP Lombardini (343087E,343089E) | 1 |
| 57 | 90-1995 | Screw, 1/4" x 1/2" BH SOC CS | 7 |
| 58 | 90-2000 | Nut, 1/4" ESNA, NC | 4 |
| 59 | 90-4001 | Washer, 5/16" FLAT, SAE (343087E, 343089E, 405039E, 455034E, 455037E, 455039E) | 20 |
| | | (404027,404029) | 16 |
| 59 | 90-4002 | Washer, 3/8" (404027, 404029) | 2 |
| | | (343087E, 343089E, 405039E, 455034E, 455037E, 455039E) | 10 |
| 60 | 90-2001 | Nut, 5/16" ESNA, NC (404027, 404029) | 10 |
| | | (343087E, 343089E) | 14 |
| | | (405039E, 455034E, 455037E, 455039E) | 12 |
| | 90-2002 | Nut, 3/8" ESNA (404027, 404029) | 2 |
| | | (343087E, 343089E, 405039E, 455034E, 455037E, 455039E) | 6 |

# EXPLODED VIEW PARTS LIST- LARGE

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 61 | 90-100543 | Screw, 5/16"-18 x 3/4" M PH TRH | 4 |
| 62 | 2-1046 | Plug, 1/4" Countersunk (405039E, 455034E,455037E, 455039E) | 1 |
| 63 | 90-400910 | ▲ Washer, 7/16" Lock-Split Ring | 4 |
| | 90-10343 | ▲ Bolt, 10mm x 20mm, HH | 4 |
| 64 | 2-01103 | Grip, 1" Square Handle | 2 |
| 65 | 2-10323 | Tee, 1/2", Branch Male | 1 |
| 66 | 95-07104828 | Bracket, Brake Pad, Red (BD, BR) | 1 |
| | 95-07164828 | Bracket, Brake Pad, Black (MP) | 1 |
| 67 | 95-07164829 | Linkage, Brake, Black (MP) | 1 |
| | 95-07104829 | Linkage, Brake, Red (BD, BR) | 1 |
| 68 | 90-3096 | Washer, 1/2" Flat | 1 |
| 69 | 95-07162065 | Handle, Break, CW Cage, Red (BD, BR) | 1 |
| | 95-07162066 | Handle, Break, CW Cage, Black (MP) | 1 |
| 70 | 90-100472 | Bolt, Carriage, Zinc, 1/4"-20 x 1.0 PLT | 4 |
| 71 | 2-9040 | Clamp, Hose, .46-.54 ST (405039E, 455039E, 455034E, 455037E)<br>(343087E, 343089E) | 2<br>4 |
| 72 | 90-4000 | Washer, 1/4" Flat, SAE | 12 |
| 73 | 90-40001 | Washer, 1/4" FLAT, SAE, Black, Zinc | 5 |
| 74 | 90-4005 | Washer, 5/8" Flat | 8 |
| 75 | 1-100534 | Valve, Safety Relief, 6000PSI (405039E, 455039E, 455034E, 455037E) | 1 |
| 76 | 2-0031 | Elbow, 3/8" Street (405039E, 455039E, 455034E, 455037E) | 1 |
| 77 | 2-0006 | Nipple, 3/8" Hex Steel (405039E, 455037E, 455039E, 455034E) | 1 |
| 78 | 2-0053 | Elbow, 1/2" JIC, 3/8", 90° | 1 |
| 79 | 77-VHRM4 | Muffler, Honda, GX620/670 Right (405039E, 455037E, 455039E, 455034E) | 1 |
| | 76-807964 | ▲ Muffler, Exhaust, Briggs 16HP (404029, 404027) | 1 |
| | 95-07101149 | ▲ Guard, Muffler, Briggs 16HP (404029, 404027) | 1 |
| | 95-071011491 | ▲ Brace, Muffler Guard (404029, 404027) | 2 |
| | 76-495518 | ▲ Muffler, Deflector, Vanguard (404027, 404029) | 1 |
| | 79-11465813800 | ▲ Deflector, Exhaust, Honda (405039E, 455037E, 455039E, 455034E) | 1 |
| 80 | 10-9999 | Clear Lexan | 1 |
| 81 | 10-08017 | Label, Intended For Outdoor Use | 1 |
| 82 | 4-02100000 | Hose, 1/4 Push-On (343087E, 343089E) | 7.66 ft. |
| 83 | 2-00471 | Plug, 1/8" Square Head, Black (343087E, 343089E, 405039E, 455037E,455039E, 455034E) | 1 |
| 84 | 2-1100 | Adaptor, 1/2 x 1/2 (455037E, 343087E, 404027, 404029, 455039E, 343089E, 455034E) | 1 |
| 85 | 90-19980 | Screw, 1/4" x 1" (405039E, 455034E, 455037E, 455039E) | 2 |
| 86 | 90-40001 | Washer, 1/4" Flat, SAE, Black (405039E, 455034E, 455037E, 455039E) | 2 |
| 87 | 90-2000 | Nut, 1/4" ESNA (405039E, 455034E, 455037E, 455039E) | 2 |
| 88 | 95-07162057 | Bracket, Regulator | 1 |
| 89 | 9.800-049.0 | Label, Manufacturer's Cleaning Solution | 1 |

▲ Not Shown

# EXPLODED VIEW - SMALL



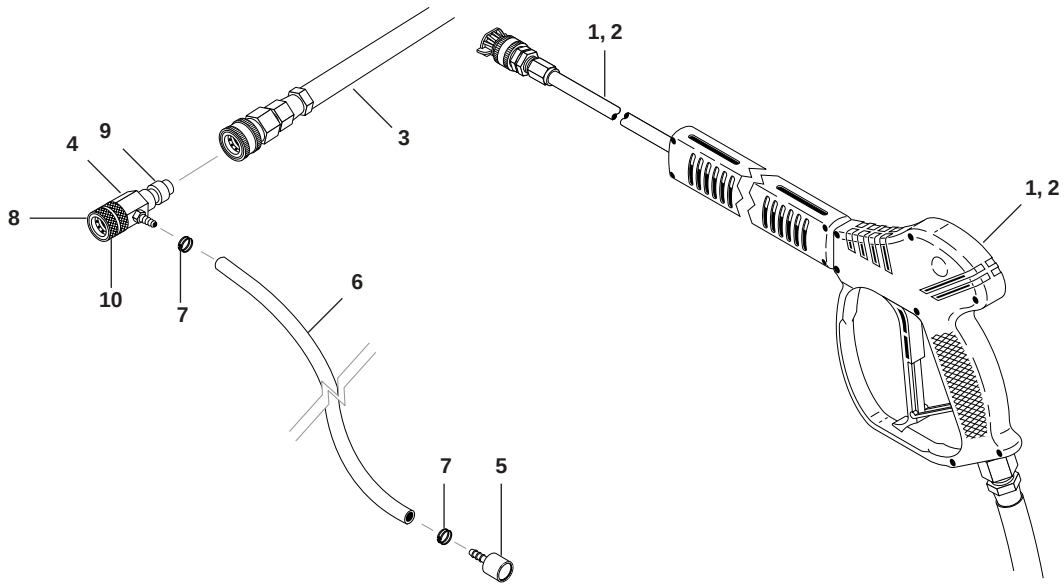
# EXPLODED VIEW PARTS LIST- SMALL

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 10-02025A | Label, "Hot/Caliente" w/Arrows Warning | 1 |
| 2 | 10-02029 | Label, Danger Cool Engine | 1 |
| 3 | 10-08017 | Label, Intended For Outdoor Use | 1 |
| 4 | 10-9999 | Label, Clear Lexan, 2-1/4" x 4-1/2" | 1 |
| 5 | 11-01011 | Label, Warning, Pictoral, Small | 1 |
| 6 | 11-0316 | Label, Instructions | 1 |
| 7 | 10-0623 | Label, Belt Guard, MP (353234, 373534, 442534) | 1 |
| | 11-32289 | Label, Belt Guard, BD (353239, 373539) | 1 |
| | 11-3229 | Label, Belt Guard, BR (442537, 353237,373537) | 1 |
| 8 | 10-03008 | Label, Nozzle Identification | 1 |
| 9 | 2-0051 | Nipple, 1/2" JIC, 3/8" Pipe | 2 |
| 10 | 2-0053 | Elbow, 1/2" JIC, 3/8", 90° | 1 |
| 11 | 2-0079 | Swivel, 1/2" JIC Fem, 3/8" Male | 1 |
| 12 | 2-0103 | Grommet, Rubber, Nozzle Holder | 5 |
| 13 | 2-01041 | Pad, Soft Rubber, 50 Duro | 2 |
| 14 | 2-01103 | Grip, 1" Square, Handle | 2 |
| 15 | 2-0117200 | Belt Guard, CW | 1 |
| 16 | 2-0155 | Fastener, Ratchet, Black Nylon | 2 |
| 17 | 2-10323 | Elbow, 1/2" Street, Brass | 1 |
| 18 | 2-1060 | Elbow, 1/2" JIC x 3/8", 90° | 1 |
| 19 | 2-1062 | Elbow, 1/2" JIC x 1/2", 90° | 1 |
| 20 | 2-10942 | Swivel, 1/2" MP x 3/4" GHF w/Strainer | 1 |
| 21 | 2-1105 | Swivel, 1/2" JIC Fem, Push-On | 2 |
| 22 | 2-1923 | Strainer, 1/2" PA, Inline Plastic | 1 |
| 23 | 2-2007 | Nipple, 3/8" x 3/8" NPT ST Male | 1 |
| 24 | 2-300816 | Pump Protector, 3/8" PTP | 1 |
| 25 | 4-02047720 | Hose, 3/8" x 20", 2 Wire, Pressure Loop | 1 |
| 26 | 4-02110000 | Hose, 1/2", Push-On | 1.25 ft. |
| 27 | 4-0307 | Wheel & Tire Assy, 6" Steel Rim w/Tube | 2 |
| 28 | 4-12804000 | Nozzle, SAQCMEG 0004, Red (353239,373539,353237, 373534,353234,373537) | 1 |
| | 4-12804015 | Nozzle, SAQCMEG 1504, Yellow (353239,373539,353237, 373534,353234,373537) | 1 |
| | 4-12804025 | Nozzle, SAQCMEG 2504, Green (353239,373539,353237, 373534,353234,373537) | 1 |
| | 4-12804040 | Nozzle, SAQCMEG 4004, White (353239,373539,353237,373534, 353234,373537 ) | 1 |
| 28 | 4-12805500 | Nozzle, SAQCMEG 0005.5, Red (442534,442537) | 1 |
| | 4-12805515 | Nozzle, SAQCMEG 1505.5, Yellow (442534,442537) | 1 |
| | 4-12805525 | Nozzle, SAQCMEG 2505.5, Green (442534,442537) | 1 |
| | 4-12805540 | Nozzle, SAQCMEG 4005.5, White (442534,442537) | 1 |
| | 4-16540 | Nozzle, COMPL, QCEM-6540, Brass (BD383239,BD373539, BD442539) | 1 |
| 29 | Engine, See Specifications Pages | | |
| 30 | Pump, See Specifications Pages | | |
| 31 | Unloader, See Specifications Pages | | |
| 32 | Engine Pulley, See Specifications Pages | | |
| 33 | Pump Pulley, See Specifications Pages | | |
| 34 | Engine Bushing, See Specifications Pages | | |
| 35 | Pump Bushing, See Specifications Pages | | |
| 36 | Belt, See Specifications Pages | | |
| 37 | 90-1020 | Bolt, 3/8" x 2" NCHH | 6 |
| 38 | 90-1018 | Bolt, 3/8" x 1-1/2", NC HH | 2 |
| 39 | 90-102751 | Bolt, 1/2" x 3-1/2", NC HH | 1 |
| 40 | 90-10343 | Bolt, 10mm x 20mm, HH | 4 |
| 41 | 90-19710 | Screw, 1/4" x 3/4" HH NC, Whiz Loc | 3 |
| 42 | 90-2002 | Nut, 3/8" ESNA, NC | 4 |
| 43 | 90-20041 | Collar, 5/8" Bore Shaft 3010 | 4 |
| 44 | 90-3096 | Washer, 1/2" Flat | 1 |
| 45 | 90-4002 | Washer, 3/8" Flat, SAE | 8 |
| 46 | 90-4002 | Washer, 3/8" SAE, Flat | 2 |
| 47 | 90-40125 | Washer, 3/8" x 1" | 2 |
| 48 | 90-400910 | Washer, 7/16", Lock Split Ring | 4 |
| 49 | 90-40181 | Washer, Nylon Spacer, 0.656" x 1.25" x 0.65" Thick | 2 |
| 50 | 95-07101216/B | Block, Unloader, 3/8" x 3/8" Brass | 1 |
| 51 | 95-07104001 | Slider, Pump/Belt Guard Mount, Red (BD, BR) | 1 |
| | 95-07104033 | Slider, Pump/Belt Guard Mount, Black (MP) | 1 |
| 52 | 95-07104723 | Axle, 5/8" x 27.80 L | 1 |
| 53 | 95-07162004 | Assy, Weld, CW Cage, Small Red (BD, BR) | 1 |
| | 95-07162005 | Assy, Weld, CW Cage, Small Black (MP) | 1 |
| 54 | 90-2002 | Nut, 3/8" ESNA, NC | 2 |
| 55 | 90-2001 | Nut, 5/16" ESNA | 4 |
| 56 | 90-4001 | Washer, 5/16" Flat | 7 |

# EXPLODED VIEW PARTS LIST- SMALL

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 57 | 2-1102 | Adapter, 1/2" Female x 3/8" Male (343089E,442534) | 1 |
| | 2-1100 | Adapter, 1/2 x 1/2 (353234, 373534, 353237, 442537, 373539) | 1 |
| 58 | 9.800-049.0 | Label, Manufacturer's Cleaning Solution | 1 |

# HOSE & SPRAY GUN ASSEMBLY




# HOSE & SPRAY GUN ASSEMBLY PARTS LIST

| ITEM | PART NO. | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 4-0110331 | Wand, Side Grip w/Couplers 47.5" (373539, 404029, 343089E) | 1 |
| | 4-012192 | Spray Gun w/Wand (5000 PSI), w/Coupler (405039E, 455039E, 455034E, 455037E) | 1 |
| | 4-011143A | Wand, SS V.P. Wand, (AL 344) w/Coupler, w/Soap Nozzle (353234, 373534, 442534) | 1 |
| | 4-0111341A | Wand, V.P. w/Coupler & Nozzle, X-Series (353237, 373537, 404027, 343087E, 442537) | 1 |
| 2 | 4-012402 | Spray Gun Assy, w/Nipple (373539, 404029, 343089E) | 1 |
| | 4-01246 | Spray Gun, Shut-Off, AP 1000 (442537, 353237, 373537, 404027, 343087E) | 1 |
| | 4-01212 | Gun, Shut-Off (373534, 353234, 442534) | 1 |
| 3 | 4-02033450C | Hose, 3/8" x 50 ft., 1 Wire, TUFF-Skin, w/Coupler (442534, 343089E) | 1 |
| | 4-02043450F | Hose, 3/8" x 50 ft., 2 Wire, TUFF-Skin, w/5800 PSI Coupler (405039E, 455039E, 455034E, 455037E) | 1 |
| | 4-020650C | Hose, 3/8" x 50", 1 Wire, Pressure Flex, w/Coupler (343087E) | 1 |
| 3 | 4-020750C | Hose, 3/8" x 50 ft., 2 Wire, Pressure Flex, w/Coupler (353237, 373537, 373539, 404029, 353234, 373534) | 1 |
| | 4-02093450BC | Hose, 3/8" x 50 ft., 1 Wire Blue, w/Coupler (442537, 353237, 343087E) | 1 |
| | 4-02073450RC | Hose, 3/8" x 50 ft., 2 Wire Blue, w/Coupler (373537, 404027) | 1 |
| 4 | 3-12021 | Injector, Detergent, Non-Adj, 3-5 GPM, 0.083 | 1 |
| | 3-1208 | Injector, SS, Non-Adj, 2.0-4.0GPM, 5500PSI | 1 |
| 5 | 2-1904 | Strainer, Plastic, 1/4" Hose Barb | 1 |
| 6 | 4-02080000 | Tube, 1/4" x 1/2", Clear Vinyl | 6 ft. |
| 7 | 2-9040 | Clamp, Hose, .46-.54 ST | 2 |
| 8 | 2-20021 | Coupler, 3/8" Female, 11,000 PSI, Snap-Tite (405039E, 455034E, 455037E, 455039E) | 1 |
| 9 | 2-20022 | Nipple, 3/8" Fem, 11,000 PSI (405039E, 455034E, 455037E, 455039E) | 1 |
| 10 | 4-011184 | Detergent Injector Assy, 3-5 GPM, 0.83" (353239, 373539, 404029, 343089E, 353234, 373534, 353237, 373537, 343087E, 404027, 442537) | 1 |
| | 4-011186 | Downstream Injector Assy, 5000 PSI (405039E, 455039E, 455034E, 455037E) | 1 |

# SPECIFICATIONS

| Machine Model | Engine Pulley | Pulley Desc. | Engine Bushing# | Bushing Desc. | Pump Pulley | Pump Desc. | Pump Bushing# | Bushing Desc. |
|---|---|---|---|---|---|---|---|---|
| **373539** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512024 | 24mm |
| **404029** | 5-40503601 | 2BK36H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512025 | 25mm |
| **405039E** | 5-407034 | 3TB34 | 5-531112 | P2x1" | 5-41009001 | 3BK90H | 5-512025 | 25mm |
| **455039E** | 5-407034 | 3TB34 | 5-531113 | P2x1-1/8" | 5-41008001 | 3BK80H | 5-512025 | 25mm |
| **343089E** | 5-40504001 | 2BK40H | 5-511100 | Hx1" | 5-40508001 | 2BK80H | 5-5120220 | 22mm |
| | | | | | | | | |
| **353234** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512025 | 25mm |
| **373534** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512025 | 25mm |
| **455034E** | 5-407034 | 3TB34 | 5-531113 | P2x1-1/8" | 5-41008001 | 3BK80H | 5-512025 | 25mm |
| | | | | | | | | |
| **304037** | 5-40504001 | 2BK40H | 5-511100 | Hx1" | 5-40508001 | 2BK80H | 5-512024 | 24mm |
| **353237** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512024 | 24mm |
| **373537** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512024 | 24mm |
| **455037E** | 5-407034 | 3TB34 | 5-531113 | P2x1-1/8" | 5-41008001 | 3BK80H | 5-512025 | 25mm |
| **442537** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40508001 | 2BK80H | 5-512024 | 24mm |
| **404027** | 5-40503401 | 2BK34H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512025 | 25mm |
| **343087E** | 5-40503201 | 2BK32H | 5-511100 | Hx1" | 5-40509001 | 2BK90H | 5-512024 | 24mm |

# SPECIFICATIONS

| Machine Model | Belt (QTY) | Belt Desc. | Pump Part No. | Unloader Part No. | Engine Part No. |
|---|---|---|---|---|---|
| **373539** | 5-604039 (2) | BX39 | 5-1220 | 5-32080 | 5-010721 |
| **404029** | 5-604042 (2) | BX42 | 5-1808 | 5-32080 | 5-0306 |
| **405039E** | 5-604042 (3) | BX42 | 5-1238 | 5-3014 | 5-01093 |
| **455039E** | 5-604042 (3) | BX42 | 5-1238 | 5-3014 | 5-01094 |
| **343089E** | 5-604042 (2) | BX42 | 5-1803 | 5-32080 | 5-0413 |
| | | | | | |
| **353234** | 5-604039 (2) | BX39 | 5-1724 | 5-32080 | 5-0105 |
| **373534** | 5-604039 (2) | BX39 | 5-1724 | 5-32080 | 5-010721 |
| **455034E** | 5-604042 (3) | BX42 | 5-1738 | 5-3014 | 5-01094 |
| | | | | | |
| **304037** | 5-604038 (2) | BX38 | 5-1912 | 5-32080 | 5-010721 |
| **353237** | 5-604039 (2) | BX39 | 5-1920 | 5-32080 | 5-0105 |
| **373537** | 5-604039 (2) | BX39 | 5-1920 | 5-32080 | 5-010721 |
| **455037E** | 5-604042 (3) | BX42 | 5-1938 | 5-3014 | 5-01094 |
| **442537** | 5-604037 (2) | BX37 | 5-1915 | 5-32080 | 5-0105 |
| **404027** | 5-604043 (2) | BX43 | 5-1924 | 5-32080 | 5-0306 |
| **343087E** | 5-604042 (2) | BX42 | 5-1920 | 5-32080 | 5-0413 |

*BR PRESSURE WASHER*

# WARRANTY

## SHARK LIMITED NEW PRODUCT WARRANTY
## PRESSURE WASHERS

### WHAT THIS WARRANTY COVERS

All SHARK PRESSURE WASHERS are warranted by SHARK to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty is subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the part's warranty period. This warranty applies to the original purchaser and is not transferable.

### LIMITED LIFETIME PARTS WARRANTY:

Components manufactured by SHARK, such as frames, handles, and belt guards. Forged brass pump manifold. All heating coils will have a three year warranty. Internal components (excluding oil seals) on the oil-end of all pressure washer pumps will have a seven year warranty.

### ONE YEAR PARTS WARRANTY:

All other components, excluding normal wear items as described below, will be warranted for one year on parts. Warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

### WARRANTY PROVIDED BY OTHER MANUFACTURERS:

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. SHARK cannot provide warranty on these items.

### WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Damage or malfunctions resulting from accidents, abuse, modifications, alterations, incorrect installation, improper servicing, failure to follow manufacturer's maintenance instructions, or use of the equipment beyond its stated usage specifications as contained in the operator's manual.
3. Damage due to freezing, chemical deterioration, scale buildup, rust, corrosion, or thermal expansion.
4. Damage to components from fluctuations in electrical or water supply.
5. Normal maintenance service, including adjustments, fuel system cleaning, and clearing of obstructions.
6. Transportation to service center, shop labor charges, field labor charges, or freight damage.

### WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

While not required for warranty service, we request that you register your SHARK pressure washer by returning the completed registration card. In order to obtain warranty service on items, you must return the product to an Authorized SHARK Dealer, freight prepaid, with proof of purchase, within the applicable warranty period. If the product is permanently installed, you must notify your Authorized SHARK Dealer of the defect. The Authorized Dealer will file a claim, which must subsequently verify the defect. In most cases, the part must be returned to SHARK freight prepaid with the claim. For warranty service on components warranted by other manufacturers, the Authorized Dealer can help you obtain warranty service through these manufacturers' local authorized service centers.

### LIMITATION OF LIABILITY

SHARK'S liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall SHARK'S liability exceed the purchase price of the product in question. SHARK makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will actually conform to the illustrations and specifications. **THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** SHARK does not authorize any other party, including authorized Dealers, to make any representation or promise on behalf of SHARK, or to modify the terms, conditions, or limitations in any way. It is the buyer's responsibility to ensure that the installation and use of SHARK products conforms to local codes. While SHARK attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product.

SHARK PRESSURE WASHERS
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